Release notes for ENDF/B Development n-068_Er_170 evaluation



April 26, 2017

- checkr Warnings:
 - 1. A previous error halted parsing of the current section $MAT=6849,\ MF=1,\ MT=451\ (1)$: Parsing stopped

ERROR(S) FOUND IN MAT=6849, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 173 TO 289

- checkr Errors:
 - 1. A variable is outside the allowed ENDF range MAT=6849, MF=1, MT=451 (0): Variable range

ERROR(S) FOUND IN MAT=6849, MF= 1, MT=451
MOD = 1 OUT OF RANGE 0 - 0 RECORD NUMBER 173

2. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=2, MT=151 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY RECORD NUMBER 291

3. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=3, MT=1 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY RECORD NUMBER 510

4. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=3, MT=2 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY RECORD NUMBER 563

5. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=3, MT=4 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY RECORD NUMBER 616

6. Missing a section in directory so your directory is messed up. This error will break everything else $MAT=6849,\ MF=3,\ MT=16$ (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY RECORD NUMBER 635

7. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=3, MT=17 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 3, MT= 17 SECTION 3/ 17 NOT IN DIRECTORY

RECORD NUMBER 657

8. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6849, MF = 3, MT = 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 3, MT= 22 SECTION 3/ 22 NOT IN DIRECTORY

RECORD NUMBER 671

9. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6849, MF = 3, MT = 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 3, MT= 28 SECTION 3/ 28 NOT IN DIRECTORY

RECORD NUMBER 695

10. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6849, MF = 3, MT = 32 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 3, MT= 32 SECTION 3/ 32 NOT IN DIRECTORY

RECORD NUMBER 713

11. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6849, MF = 3, MT = 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 3, MT= 51 SECTION 3/ 51 NOT IN DIRECTORY

RECORD NUMBER 725

12. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=3, MT=52 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 3, MT= 52 SECTION 3/ 52 NOT IN DIRECTORY

RECORD NUMBER 740

13. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6849, MF = 3, MT = 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 3, MT= 53 SECTION 3/ 53 NOT IN DIRECTORY

RECORD NUMBER 754

14. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=3, MT=54 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 3, MT= 54 SECTION 3/ 54 NOT IN DIRECTORY

RECORD NUMBER 768

15. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6849, MF = 3, MT = 55 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 3, MT= 55 SECTION 3/55 NOT IN DIRECTORY

RECORD NUMBER

16. Missing a section in directory so your directory is messed up. This error will break ev-

erything else MAT = 6849, MF = 3, MT = 56 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 3, MT= 56 SECTION 3/56 NOT IN DIRECTORY

RECORD NUMBER 794

17. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6849, MF = 3, MT = 57 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 3, MT= 57 SECTION 3/57 NOT IN DIRECTORY

RECORD NUMBER 807

18. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6849, MF = 3, MT = 58 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 3, MT= 58 SECTION 3/ 58 NOT IN DIRECTORY

RECORD NUMBER 820

19. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6849, MF = 3, MT = 59 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 3, MT= 59 SECTION 3/59 NOT IN DIRECTORY

RECORD NUMBER

20. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 6849, MF = 3, MT = 60 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 3, MT= 60 SECTION 3/60 NOT IN DIRECTORY

RECORD NUMBER

846

21. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6849, MF = 3, MT = 61 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 3, MT= 61 SECTION 3/61 NOT IN DIRECTORY

RECORD NUMBER 859

22. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 6849, MF = 3, MT = 62 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 3, MT= 62 SECTION 3/62 NOT IN DIRECTORY

RECORD NUMBER 871

23. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 6849, MF = 3, MT = 63 (0): Directory (b)

3

ERROR(S) FOUND IN MAT=6849, MF= 3, MT= 63 SECTION 3/ 63 NOT IN DIRECTORY

RECORD NUMBER 883

24. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6849, MF = 3, MT = 64 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 3, MT= 64 SECTION 3/ 64 NOT IN DIRECTORY

RECORD NUMBER 895

25. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6849, MF = 3, MT = 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 3, MT= 91 SECTION 3/ 91 NOT IN DIRECTORY

RECORD NUMBER 907

26. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6849, MF = 3, MT = 102 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 3, MT=102 SECTION 3/102 NOT IN DIRECTORY

RECORD NUMBER 919

27. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6849, MF = 3, MT = 103 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 3, MT=103 SECTION 3/103 NOT IN DIRECTORY

RECORD NUMBER 964

28. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=3, MT=104 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 3, MT=104 SECTION 3/104 NOT IN DIRECTORY

RECORD NUMBER 990

29. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=3, MT=105 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 3, MT=105 SECTION 3/105 NOT IN DIRECTORY

RECORD NUMBER 1011

30. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=3, MT=107 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 3, MT=107 SECTION 3/107 NOT IN DIRECTORY

RECORD NUMBER 1031

31. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=4, MT=2 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 4, MT= 2 SECTION 4/ 2 NOT IN DIRECTORY

RECORD NUMBER 1069

32. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6849, MF = 4, MT = 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 4, MT= 16 SECTION 4/ 16 NOT IN DIRECTORY

RECORD NUMBER 1211

33. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=4, MT=17 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 4, MT= 17

SECTION 4/ 17 NOT IN DIRECTORY

RECORD NUMBER 1214

34. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6849, MF = 4, MT = 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 4, MT= 22 SECTION 4/ 22 NOT IN DIRECTORY

RECORD NUMBER 1217

35. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6849, MF = 4, MT = 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 4, MT= 28 SECTION 4/ 28 NOT IN DIRECTORY

RECORD NUMBER 1220

36. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6849, MF = 4, MT = 32 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 4, MT= 32 SECTION 4/ 32 NOT IN DIRECTORY

RECORD NUMBER 1223

37. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6849, MF = 4, MT = 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 4, MT= 51 SECTION 4/ 51 NOT IN DIRECTORY

RECORD NUMBER 1226

38. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=4, MT=52 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 4, MT= 52 SECTION 4/ 52 NOT IN DIRECTORY

RECORD NUMBER 1391

39. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=4, MT=53 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 4, MT= 53 SECTION 4/ 53 NOT IN DIRECTORY

RECORD NUMBER 1507

40. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6849, MF = 4, MT = 54 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 4, MT= 54 SECTION 4/ 54 NOT IN DIRECTORY

RECORD NUMBER 1614

41. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6849, MF = 4, MT = 55 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 4, MT= 55 SECTION 4/ 55 NOT IN DIRECTORY

RECORD NUMBER 1713

42. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6849, MF = 4, MT = 56 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 4, MT= 56 SECTION 4/ 56 NOT IN DIRECTORY

RECORD NUMBER 1810

43. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6849, MF = 4, MT = 57 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 4, MT= 57 SECTION 4/ 57 NOT IN DIRECTORY

RECORD NUMBER 1907

44. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6849, MF = 4, MT = 58 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 4, MT= 58 SECTION 4/ 58 NOT IN DIRECTORY

RECORD NUMBER 2004

45. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6849, MF = 4, MT = 59 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 4, MT= 59 SECTION 4/ 59 NOT IN DIRECTORY

RECORD NUMBER 2097

46. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=4, MT=60 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 4, MT= 60

SECTION 4/ 60 NOT IN DIRECTORY

RECORD NUMBER 2189

47. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6849, MF = 4, MT = 61 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 4, MT= 61 SECTION 4/ 61 NOT IN DIRECTORY

RECORD NUMBER 2281

48. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6849, MF = 4, MT = 62 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 4, MT= 62 SECTION 4/ 62 NOT IN DIRECTORY

RECORD NUMBER 2373

49. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6849, MF = 4, MT = 63 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 4, MT= 63 SECTION 4/ 63 NOT IN DIRECTORY

RECORD NUMBER 2465

50. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6849, MF = 4, MT = 64 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 4, MT= 64 SECTION 4/ 64 NOT IN DIRECTORY

RECORD NUMBER 2555

51. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6849, MF = 4, MT = 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 4, MT= 91 SECTION 4/ 91 NOT IN DIRECTORY

RECORD NUMBER 2645

52. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=5, MT=16 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 5, MT= 16 SECTION 5/ 16 NOT IN DIRECTORY

RECORD NUMBER 2738

53. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6849, MF = 5, MT = 17 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 5, MT= 17 SECTION 5/ 17 NOT IN DIRECTORY

RECORD NUMBER 3067

54. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=5, MT=22 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 5, MT= 22 SECTION 5/ 22 NOT IN DIRECTORY

RECORD NUMBER 3230

55. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=5, MT=28 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 5, MT= 28 SECTION 5/ 28 NOT IN DIRECTORY

RECORD NUMBER 3632

56. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6849, MF = 5, MT = 32 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 5, MT= 32 SECTION 5/ 32 NOT IN DIRECTORY

RECORD NUMBER 3877

57. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6849, MF = 5, MT = 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF= 5, MT= 91 SECTION 5/ 91 NOT IN DIRECTORY

RECORD NUMBER 4016

58. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=12, MT= 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=12, MT= 16 SECTION 12/ 16 NOT IN DIRECTORY

RECORD NUMBER 4492

59. Missing a gamma spectrum for continuum of gammas MAT=6849, MF=12, MT=16 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=6849, MF=12, MT= 16
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

60. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=6849, MF=12, MT= 17 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=12, MT= 17 SECTION 12/ 17 NOT IN DIRECTORY

RECORD NUMBER 4501

61. Missing a gamma spectrum for continuum of gammas MAT=6849, MF=12, MT=17 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=6849, MF=12, MT= 17
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

62. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=12, MT=22 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=12, MT= 22 SECTION 12/ 22 NOT IN DIRECTORY

RECORD NUMBER 4508

63. Missing a gamma spectrum for continuum of gammas MAT=6849, MF=12, MT=22 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=6849, MF=12, MT= 22
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

64. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=12, MT=28 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=12, MT= 28
SECTION 12/ 28 NOT IN DIRECTORY RECORD NUMBER 4518

65. Missing a gamma spectrum for continuum of gammas $MAT=6849,\ MF=12,\ MT=\ 28\ (1):\ No\ gamma\ spectrum$

ERROR(S) FOUND IN MAT=6849, MF=12, MT= 28
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

66. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=12, MT=51 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=12, MT= 51
SECTION 12/ 51 NOT IN DIRECTORY RECORD NUMBER 4526

67. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=12, MT=52 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=12, MT= 52
SECTION 12/ 52 NOT IN DIRECTORY RECORD NUMBER 4530

68. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=12, MT=53 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=12, MT= 53
SECTION 12/ 53 NOT IN DIRECTORY RECORD NUMBER 4534

69. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=12, MT=54 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=12, MT= 54
SECTION 12/ 54 NOT IN DIRECTORY RECORD NUMBER 4538

70. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=12, MT=55 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=12, MT= 55
SECTION 12/ 55 NOT IN DIRECTORY RECORD NUMBER 4542

71. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=12, MT=56 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=12, MT= 56
SECTION 12/ 56 NOT IN DIRECTORY RECORD NUMBER 4546

72. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 6849, MF = 12, MT = 57 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=12, MT= 57 SECTION 12/ 57 NOT IN DIRECTORY

RECORD NUMBER 4551

73. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 6849, MF = 12, MT = 58 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=12, MT= 58 SECTION 12/ 58 NOT IN DIRECTORY

RECORD NUMBER 4556

74. Missing a section in directory so your directory is messed up. This error will break everything else

MAT = 6849, MF = 12, MT = 59 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=12, MT= 59 SECTION 12/ 59 NOT IN DIRECTORY

RECORD NUMBER 4560

75. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 6849, MF = 12, MT = 60 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=12, MT= 60 SECTION 12/ 60 NOT IN DIRECTORY

RECORD NUMBER 4565

76. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 6849, MF = 12, MT = 61 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=12, MT= 61 SECTION 12/ 61 NOT IN DIRECTORY

RECORD NUMBER

77. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 6849, MF = 12, MT = 62 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=12, MT= 62 SECTION 12/ 62 NOT IN DIRECTORY

RECORD NUMBER 4575

78. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 6849, MF = 12, MT = 63 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=12, MT= 63 SECTION 12/ 63 NOT IN DIRECTORY

RECORD NUMBER 4579

79. Missing a section in directory so your directory is messed up. This error will break everything else MAT = 6849, MF = 12, MT = 64 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=12, MT= 64 SECTION 12/ 64 NOT IN DIRECTORY

80. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=12, MT=91 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=12, MT= 91 SECTION 12/ 91 NOT IN DIRECTORY

RECORD NUMBER 4589

81. Missing a gamma spectrum for continuum of gammas $MAT=6849,\ MF=12,\ MT=91$ (1): No gamma spectrum

ERROR(S) FOUND IN MAT=6849, MF=12, MT= 91 CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

82. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=12, MT=102 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=12, MT=102 SECTION 12/102 NOT IN DIRECTORY

RECORD NUMBER 4600

83. Missing a gamma spectrum for continuum of gammas $MAT=6849,\ MF=12,\ MT=102\ (1):\ No\ gamma\ spectrum$

ERROR(S) FOUND IN MAT=6849, MF=12, MT=102 CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

84. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=12, MT=103 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=12, MT=103 SECTION 12/103 NOT IN DIRECTORY

RECORD NUMBER 4614

85. Missing a gamma spectrum for continuum of gammas MAT=6849, MF=12, MT=103 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=6849, MF=12, MT=103 CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

86. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=12, MT=104 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=12, MT=104 SECTION 12/104 NOT IN DIRECTORY

RECORD NUMBER 4624

87. Missing a gamma spectrum for continuum of gammas $MAT=6849,\ MF=12,\ MT=104$ (1): No gamma spectrum

ERROR(S) FOUND IN MAT=6849, MF=12, MT=104
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

88. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=12, MT=107 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=12, MT=107 SECTION 12/107 NOT IN DIRECTORY

RECORD NUMBER 4633

89. Missing a gamma spectrum for continuum of gammas MAT=6849, MF=12, MT=107 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=6849, MF=12, MT=107
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

90. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=14, MT= 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=14, MT= 16 SECTION 14/ 16 NOT IN DIRECTORY

RECORD NUMBER 4646

91. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=14, MT= 17 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=14, MT= 17 SECTION 14/ 17 NOT IN DIRECTORY

RECORD NUMBER 4648

92. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=14, MT=22 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=14, MT= 22 SECTION 14/ 22 NOT IN DIRECTORY

RECORD NUMBER 4650

93. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=14, MT=28 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=14, MT= 28 SECTION 14/ 28 NOT IN DIRECTORY

RECORD NUMBER 4652

94. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=14, MT=51 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=14, MT= 51 SECTION 14/ 51 NOT IN DIRECTORY

RECORD NUMBER 4654

95. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=14, MT=52 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=14, MT= 52 SECTION 14/ 52 NOT IN DIRECTORY

RECORD NUMBER 4656

96. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=14, MT= 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=14, MT= 53 SECTION 14/ 53 NOT IN DIRECTORY

97. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=14, MT= 54 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=14, MT= 54 SECTION 14/ 54 NOT IN DIRECTORY

RECORD NUMBER 4660

98. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=6849, MF=14, MT= 55 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=14, MT= 55 SECTION 14/ 55 NOT IN DIRECTORY

RECORD NUMBER 4662

99. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=14, MT=56 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=14, MT= 56 SECTION 14/ 56 NOT IN DIRECTORY

RECORD NUMBER 4664

100. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=14, MT=57 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=14, MT= 57 SECTION 14/ 57 NOT IN DIRECTORY

RECORD NUMBER 4666

101. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=14, MT= 58 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=14, MT= 58 SECTION 14/ 58 NOT IN DIRECTORY

RECORD NUMBER 4668

102. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=14, MT=59 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=14, MT= 59 SECTION 14/ 59 NOT IN DIRECTORY

RECORD NUMBER 4670

103. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=6849, MF=14, MT= 60 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=14, MT= 60 SECTION 14/ 60 NOT IN DIRECTORY

RECORD NUMBER 4672

104. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=14, MT= 61 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=14, MT= 61 SECTION 14/ 61 NOT IN DIRECTORY

105. Missing a section in directory so your directory is messed up. This error will break everything else $MAT=6849,\ MF=14,\ MT=\ 62\ (0)$: Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=14, MT= 62 SECTION 14/ 62 NOT IN DIRECTORY

RECORD NUMBER 4676

106. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=14, MT=63 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=14, MT= 63 SECTION 14/ 63 NOT IN DIRECTORY

RECORD NUMBER 4678

107. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=14, MT=64 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=14, MT= 64 SECTION 14/ 64 NOT IN DIRECTORY

RECORD NUMBER 4680

108. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=14, MT=91 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=14, MT= 91 SECTION 14/ 91 NOT IN DIRECTORY

RECORD NUMBER 4682

109. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=14, MT=102 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=14, MT=102 SECTION 14/102 NOT IN DIRECTORY

RECORD NUMBER 4684

110. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=14, MT=103 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=14, MT=103 SECTION 14/103 NOT IN DIRECTORY

RECORD NUMBER 4686

111. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=14, MT=104 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=14, MT=104 SECTION 14/104 NOT IN DIRECTORY

RECORD NUMBER 4688

112. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=6849, MF=14, MT=107 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=14, MT=107 SECTION 14/107 NOT IN DIRECTORY

113. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=15, MT= 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=15, MT= 16 SECTION 15/ 16 NOT IN DIRECTORY

RECORD NUMBER 4693

114. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=15, MT=17 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=15, MT= 17 SECTION 15/ 17 NOT IN DIRECTORY

RECORD NUMBER 4832

115. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=15, MT=22 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=15, MT= 22 SECTION 15/ 22 NOT IN DIRECTORY

RECORD NUMBER 4885

116. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=15, MT=28 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=15, MT= 28 SECTION 15/ 28 NOT IN DIRECTORY

RECORD NUMBER 5048

117. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=15, MT= 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=15, MT= 91 SECTION 15/ 91 NOT IN DIRECTORY

RECORD NUMBER 5169

118. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=15, MT=102 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=15, MT=102 SECTION 15/102 NOT IN DIRECTORY

RECORD NUMBER 5470

119. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=15, MT=103 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=15, MT=103 SECTION 15/103 NOT IN DIRECTORY

RECORD NUMBER 6005

120. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=15, MT=104 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=15, MT=104 SECTION 15/104 NOT IN DIRECTORY

121. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=15, MT=107 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=15, MT=107 SECTION 15/107 NOT IN DIRECTORY

RECORD NUMBER 6322

122. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=33, MT=2 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=33, MT= 2 SECTION 33/ 2 NOT IN DIRECTORY

RECORD NUMBER 6613

123. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=33, MT=4 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=33, MT= 4 SECTION 33/ 4 NOT IN DIRECTORY

RECORD NUMBER 6703

124. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849. MF=33. MT= 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=33, MT= 16 SECTION 33/ 16 NOT IN DIRECTORY

RECORD NUMBER 6766

125. Missing a section in directory so your directory is messed up. This error will break everything else MAT=6849, MF=33, MT=102 (0): Directory (b)

ERROR(S) FOUND IN MAT=6849, MF=33, MT=102 SECTION 33/102 NOT IN DIRECTORY

RECORD NUMBER 6780

- psyche Warnings:
 - 1. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 / AVERAGE GAMMA WIDTH 2.36453E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 AVERAGE GAMMA WIDTH 2.36453E-02

LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

2. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 / AVERAGE GAMMA WIDTH 2.36567E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

SECTION 151

ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 AVERAGE GAMMA WIDTH 2.36567E-02

LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

3. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 / AVERAGE GAMMA WIDTH 2.36795E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 AVERAGE GAMMA WIDTH 2.36795E-02

LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

4. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 / AVERAGE GAMMA WIDTH 2.37019E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 AVERAGE GAMMA WIDTH 2.37019E-02

LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

5. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 / AVERAGE GAMMA WIDTH 2.37241E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 AVERAGE GAMMA WIDTH 2.37241E-02

LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

6. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 / AVERAGE GAMMA WIDTH 2.37569E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 AVERAGE GAMMA WIDTH 2.37569E-02

LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

7. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.000000E+03. STRENGTH FUNCTION IS 2.02583E-04 / AVERAGE GAMMA WIDTH 2.38101E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

SECTION 151

ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 AVERAGE GAMMA WIDTH 2.38101E-02

LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

8. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 / AVERAGE GAMMA WIDTH 2.38617E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04
AVERAGE GAMMA WIDTH 2.38617E-02

LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

9. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 / AVERAGE GAMMA WIDTH 2.39116E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 AVERAGE GAMMA WIDTH 2.39116E-02

LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

10. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 / AVERAGE GAMMA WIDTH 2.40065E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 AVERAGE GAMMA WIDTH 2.40065E-02

LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

11. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 / AVERAGE GAMMA WIDTH 2.40950E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 AVERAGE GAMMA WIDTH 2.40950E-02

LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

12. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 / AVERAGE GAMMA WIDTH 2.41773E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

SECTION 151

ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 AVERAGE GAMMA WIDTH 2.41773E-02

LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

13. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 / AVERAGE GAMMA WIDTH 2.42535E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 AVERAGE GAMMA WIDTH 2.42535E-02

LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

14. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 / AVERAGE GAMMA WIDTH 2.43180E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 AVERAGE GAMMA WIDTH 2.43180E-02

LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

15. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 / AVERAGE GAMMA WIDTH 2.18518E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 AVERAGE GAMMA WIDTH 2.18518E-02

LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

16. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 / AVERAGE GAMMA WIDTH 2.18621E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 AVERAGE GAMMA WIDTH 2.18621E-02

LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

17. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 / AVERAGE GAMMA WIDTH 2.18826E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

SECTION 151

ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 AVERAGE GAMMA WIDTH 2.18826E-02

LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

18. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 / AVERAGE GAMMA WIDTH 2.19027E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 AVERAGE GAMMA WIDTH 2.19027E-02

LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

19. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 / AVERAGE GAMMA WIDTH 2.19226E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 AVERAGE GAMMA WIDTH 2.19226E-02

LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

20. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 / AVERAGE GAMMA WIDTH 2.19520E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 AVERAGE GAMMA WIDTH 2.19520E-02

LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

21. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 / AVERAGE GAMMA WIDTH 2.19996E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 AVERAGE GAMMA WIDTH 2.19996E-02

LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

22. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 / AVERAGE GAMMA WIDTH 2.20457E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

SECTION 151

ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 AVERAGE GAMMA WIDTH 2.20457E-02

LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

23. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 / AVERAGE GAMMA WIDTH 2.20902E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 AVERAGE GAMMA WIDTH 2.20902E-02

LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

24. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 / AVERAGE GAMMA WIDTH 2.21747E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 AVERAGE GAMMA WIDTH 2.21747E-02

LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

25. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 / AVERAGE GAMMA WIDTH 2.22532E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 AVERAGE GAMMA WIDTH 2.22532E-02

LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

26. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 / AVERAGE GAMMA WIDTH 2.23259E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 AVERAGE GAMMA WIDTH 2.23259E-02

LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

27. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 / AVERAGE GAMMA WIDTH 2.23928E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

SECTION 151

ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 AVERAGE GAMMA WIDTH 2.23928E-02

LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

28. Strength function in URR not in agreement with PSYCHE's expectations FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 / AVERAGE GAMMA WIDTH 2.24492E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 2.02583E-04 AVERAGE GAMMA WIDTH 2.24492E-02

LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

29. Non-threshold reaction with Q value differing from PSYCHE's expectations FILE 3 / SECTION 107 / THE CALCULATED Q 5.83525E+06 DISSAGREES WITH THE GIVEN Q 5.46928E+06 (0): Iffy Q

FILE 3

SECTION 107

THE CALCULATED Q 5.83525E+06 DISSAGREES WITH THE GIVEN Q 5.46928E+06

- groupie Errors:
 - 1. Very small elastic cross section found θ : Small elastic

Multi-Group and Multi-Band Parameters from ENDF/B Data (GROUPIE 2015-2)
-----ENDF/B Input and Output Data Filenames
ENDFB.IN
ENDFB.OUT
... [97 more lines]

- fudge-4.0 Warnings:
 - 1. Missing a channel with a particular angular momenta combination resonances / resolved / MultiLevel_BreitWigner (Error # 0): missingResonanceChannel

WARNING: Missing a channel with angular momenta combination L=0, J=1.5 and S=1.5 for "capture" WARNING: Missing a channel with angular momenta combination L=1, J=0.5 and S=1.5 for "capture" WARNING: Missing a channel with angular momenta combination L=1, J=1.5 and S=1.5 for "capture" WARNING: Missing a channel with angular momenta combination L=1, J=2.5 and S=1.5 for "capture"

2. Cross section does not match sum of linked reaction cross sections $crossSectionSum\ label\ 0:\ total\ (Error\ \#\ 0):\ CS\ Sum.$

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.15%

3. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 0 (n + Er170): / Form 'eval': / Component 0 (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

4. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 0 (n + Er170): / Form 'eval': / Component 1 (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

5. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes. Section 1 ((z,n)): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

6. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 2 (n[multiplicity:'2'] + Er169 + gamma): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

7. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 3 (Er171 + gamma): / Form 'eval': / Component 0 (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

8. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 3 (Er171 + gamma): / Form 'eval': / Component 1 (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

• fudge-4.0 Errors:

1. Found a negative probability reaction label 1: $n + Er170_e1 / Product$: n / Distribution: / angularTwoBody - XYs2d: (Error # 0): Negative prob.

WARNING: Negative probabilities encountered. Incident energy: 2.e7 eV, worst case: -0.00572068236699

2. Calculated and tabulated Q values disagree.

reaction label 16: n[multiplicity:'2'] + Er169 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6916283.243377686 eV vs -7258370. eV!

3. Calculated and tabulated Q values disagree. reaction label 17: n[multiplicity:'3'] + Er168 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -12919553.47937012 eV vs -1.32617e7 eV!

4. Energy range of data set does not match cross section range reaction label 17: n[multiplicity:'3'] + Er168 + gamma / Product: n / Distribution: / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (13340400.0 -> 20000000.0) vs (13340700.0 -> 20000000.0)
```

5. Energy range of data set does not match cross section range reaction label 17: n[multiplicity:'3'] + Er168 + gamma / Product: gamma / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13340400.0 -> 20000000.0) vs (13340700.0 -> 20000000.0)

6. Energy range of data set does not match cross section range reaction label 17: n[multiplicity:'3'] + Er168 + gamma / Product: gamma / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13340400.0 -> 20000000.0) vs (13340700.0 -> 20000000.0)

7. Energy range of data set does not match cross section range reaction label 17: n[multiplicity:'3'] + Er168 + gamma / Product: gamma / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (13340400.0 -> 20000000.0) vs (13340700.0 -> 20000000.0)

8. Calculated and tabulated Q values disagree. reaction label 18: n + H1 + H0169 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -8259521.253875732 eV vs -8601030. eV!

9. Calculated and tabulated Q values disagree. reaction label 19: n + H2 + H0168 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -12842640.36056519 eV vs -1.29738e7 eV!

10. Calculated and tabulated Q values disagree. reaction label 20: Er171 + gamma~(Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 6022530.004577637 eV vs 5.6817e6 eV!

11. Calculated and tabulated Q values disagree. reaction label 21: n + He4 + Dy166 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 391552.6491088867 eV vs 51908. eV!

12. Calculated and tabulated Q values disagree.

reaction label 22: H1 + (Ho170-s -> Ho170 + gamma) (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -2746697.537567139 eV vs -3085660. eV!

13. Calculated and tabulated Q values disagree. reaction label 23: $H2 + (Ho169_s -> Ho169 + gamma)$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6034955.152954102 eV vs -6376450. eV!

14. Calculated and tabulated Q values disagree. reaction label 24: H3 + Ho168-s (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6585407.419921875 eV vs -6715720. eV!

15. Calculated and tabulated Q values disagree.

reaction label 25: He4 + (Dy167_s -> Dy167 + gamma) (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 5809303.425537109 eV vs 5469280. eV!

• njoy2012 Warnings:

1. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

groupr...compute self-shielded group-averaged cross-sections (0): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 16 only mf4/mf5 provided

2. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

groupr...compute self-shielded group-averaged cross-sections (1): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 17 only mf4/mf5 provided

3. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

groupr...compute self-shielded group-averaged cross-sections (2): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 22 only mf4/mf5 provided

4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

groupr...compute self-shielded group-averaged cross-sections (3): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 28 only mf4/mf5 provided

5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

groupr...compute self-shielded group-averaged cross-sections (4): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 32 only mf4/mf5 provided

6. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!

groupr...compute self-shielded group-averaged cross-sections (5): GROUPR/conver (0)

---message from conver---cannot do complete particle production for mt= 91 only mf4/mf5 provided

• njoy2012 Errors:

1. An angular distribution is negative acer...monte carlo neutron and photon data (0): Neg. $P(Ej\mu)$ (b)

---message from ptleg2---negative probs found
13 for mt= 51 e= 2.000E+07